AMENDMENTS TO THE CLAIMS

1. - 9. (Cancelled)

10.   (Currently amended) A method for diagnosing Alzheimer's disease, comprising:

obtaining a sample of brain tissue taken from a subject,

determining ~~quantitatively the amount of~~ **co-localization of** the peptide according to claim 20 **with amyloid precursor protein (APP)** present in said sample,

wherein Alzheimer's disease is indicated when the **co-localization** ~~amount of said~~ ~~peptide~~ is greater than the ~~amount of said peptide present~~ **co-localization** in a control non-Alzheimer's disease sample.

11-19. (Canceled)

20. (Currently amended) An isolated peptide consisting of the amino acid sequence selected from the group consisting of SEQ ID NOS: 4 to 12 and 14 to 17.